



ACTIVE NOISE CANCELING HEADPHONES

Stereo headphones with active noise canceling function

The PHPNC45 headphones are closed, dynamic, ear-enclosing stereo headphones with active noise canceling function. Disturbing ambient noise in the low frequency range is recorded by tiny microphones and deleted by counter-sound (phase inverse tones). Thus, a noise canceling of more than 85 % is achieved. For operation, two 1.5 V micro batteries (type AAA) are required. The PHPNC45 can also be used passively, ie. without noise canceling and without batteries. The PHPNC45 are swivel and are supplied complete with a practical transport case and two audio adapters.

Safety Instructions

- 🔊 Always turn down the volume control before plugging the headphones into a sound source.
- 🔊 Turn up the volume control only far enough to hear properly.
- ✈️ If you are connecting these headphones to an airplane's sound system, listen at low levels so that loud messages from the pilot do not discomfort.
- 🔊 Ringing in the ears may indicate that the volume level is too high. Lower the volume.
- 🚫 Do not use these headphones where vehicular traffic is present, or in any other activity where a failure to hear surrounding sounds could be dangerous.
- Maintenance and service operations are only to be carried out by authorized dealers. Damage, caused by manual modifications on the product is not subject to warranty.
- If this product is used for other purposes than originally intended or if it is not correctly connected, the product may suffer damage and the guarantee becomes void.
- If the headphones are not used for a longer period, please remove the batteries. Dispose of used batteries properly to save the environment.

Setting into Operation

Inserting batteries

For active noise canceling you need two 1.5 V micro batteries (type AAA).

- To insert the batteries, remove the left ear pad (turn the pad counterclockwise to remove).
- Insert the batteries as indicated in the battery compartment. Close the compartment again with the left ear-piece.
- If the headphones are not used for a longer period, please remove the batteries to prevent damage in case of battery leakage.

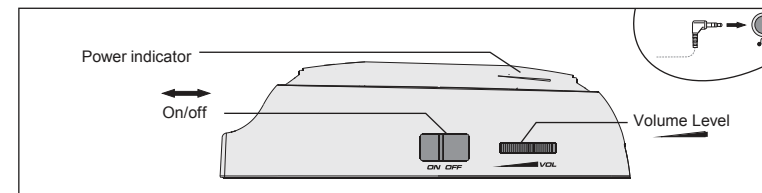
Adjusting the headband

In order to achieve good transmission quality and noise canceling, as well as best possible comfort, the headband should be adjusted to properly fit your head. You can adjust the headband using the snap-in locking mechanism.

Connecting the headphones

Connect the headphones via the supplied audio cable to the sound source. If necessary, use the 6.3 mm jack adapter or the 3.5 mm double jack adapter for the in-flight entertainment in an airplane.

Operation



- Adjust the volume at the headphones.
- To switch on the active noise canceling function and to attenuate ambient noise set the ON/OFF switch to ON. The POWER indicator lights up.
- 📄 *After you turn on the power of the headphones, you may hear a slight hiss. This is operating sound of the noise canceling function, not a malfunction.*
- When the batteries are going flat, the power indicator starts flashing and goes off. The active noise canceling is switched off. However, the audio signal continues to be transmitted.
- The PHPNC45 can also be used like conventional headphones without batteries to listen to music.
- After operation, switch off the PHPNC45 to extend battery life.

Cleaning

The headphones should be cleaned from time to time. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

Transport

To transport the headphones in the transport case fold the ear-pieces inwards between the headband. You can store the accessories in the lid of the case.

Technical Specifications

Transducer type :.....Dynamic
 Frequency range:30-20,000 Hz
 Impedance:32 Ω
 Power output:100 mW
 Noise attenuation:.....max. 20 dB
 Distortion:<1 %
 Cable length:1.0 m
 Connection:3.5 mm stereo jack
 Power supply:2 x 1.5 V micro (type AAA)
 Weight:250 g

Please note: Every information is subject to change without prior notice. 02.06.2011 ©

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